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2005-05-08

Response to;

Claim objections and claim rejections to application 10/784,780.

Claims objections
Claims [numbers 1,2,3, amended] herewith.

Claims rejections.

Claims rejections based upon Triplett (US 6,662,456) and Ming(US 6,546,634) are invalid by virtue of the fact that the knowledge or art contained therein was occult, unseen by me in accordance with USPTO regulations and did not therefore contribute to my application for patent.
The relevant dates are as follows;

Triplett, Filed May 3rd 2000, Granted Dec 16 2003

Ming, Filed, Dec 29th 2000, Granted April 15th 2003

Kennedy, Filed, March 10th 2003. Filing date UK Patent Office March 2nd 2002.

JP Kennedy 08-05-2005.

Herewith;
Amended specification, two pages.
Amended claims, two pages.
Transmittal form PTO/SB/21
Copy original filing receipt confirmation no.1204

Two fax transmissions, total seven pages.

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Please replace pages 2 and 3 of the specification with new amended pages 2 and 3 as follows;

2

According to the present invention there is provided a measuring and tool setting device comprising a bridging cursor body of plastics material, wood, metal or any combination of these with an integral locking cam mechanism acting on a steel rule or scale which passes through said body at an angle of 90 degrees to a datum formed by a line drawn between two feet which form the base of the device.

A specification of the device follows having reference to the accompanying drawings which illustrate;

Fig., 1 Front or main elevation of device.

11 Bridging cursor body.

12 Locking cam mechanism.

13 Steel rule or scale shown set to zero.

14 Feet.

15 Bevel, downward inclination of 15 degrees.

16 Datum

Fig., 2 Cursor body bridging aperture in reference face, measurement of projection of cutter indicated on rule by bevel on cursor body.

Fig., 3 Section A-A through bridging cursor body, cam free.

Fig., 4 Section A-A through bridging cursor body, cam engaged.

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To measure the projection of a cutter passing through an aperture in a reference face the base of the rule or scale 13 is placed on the cutting edge and the bridging cursor body 11 is passed over the rule so that the feet 14 rest upon the reference face and bridging the aperture. The rule is now displaced relative to the cursor body 11 by the projection of the cutting edge and may be secured by means of the locking cam mechanism 12. The device may now be removed from the reference face and the precise measurement of the cutter projection easily read from the rule as indicated by the bevel 15 on the cursor body. The bevel 15 is a downward slope of 15 degrees

To set a projection the required measurement is selected on the rule or scale 13 by means of the bevel 15 and the bridging cursor body 11 secured by the locking cam mechanism 12. The feet 14 are set upon the reference face and bridging the aperture and the cutter then brought out to meet the base of the rule or scale 11.

The procedures above may be employed to measure or set the projection of cutters or cutting edges on handheld and bench or table mounted routers, spindle moulders, circular saws, planers, bandsaws and the cursor body employed using varying sizes of rules as a square or to transfer and set sizes in carpentry or cabinetmaking eg on mortises, tenons, or rebates.